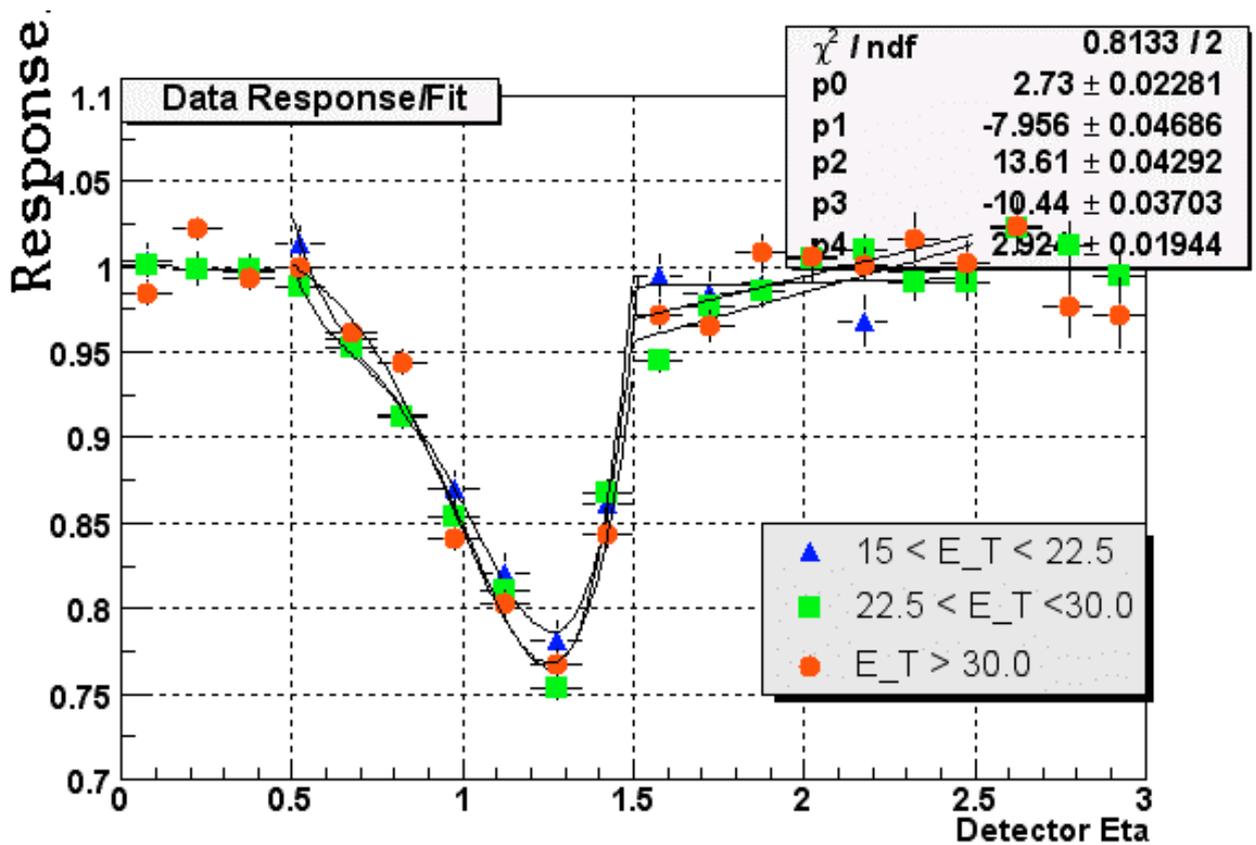


Response Vs. Eta Update

- **Updated cuts**
 - **ntrks ≥ 5**
 - **tight jetid cuts**
 - **MC energy threshold cuts**
- **Ran over most of data**
 - **No Jes correction**
 - **JES offset correction from v04-00-03**
- **Ran over MC**
 - **No Jes correction**
 - **JES offset correction from v04-00-04**

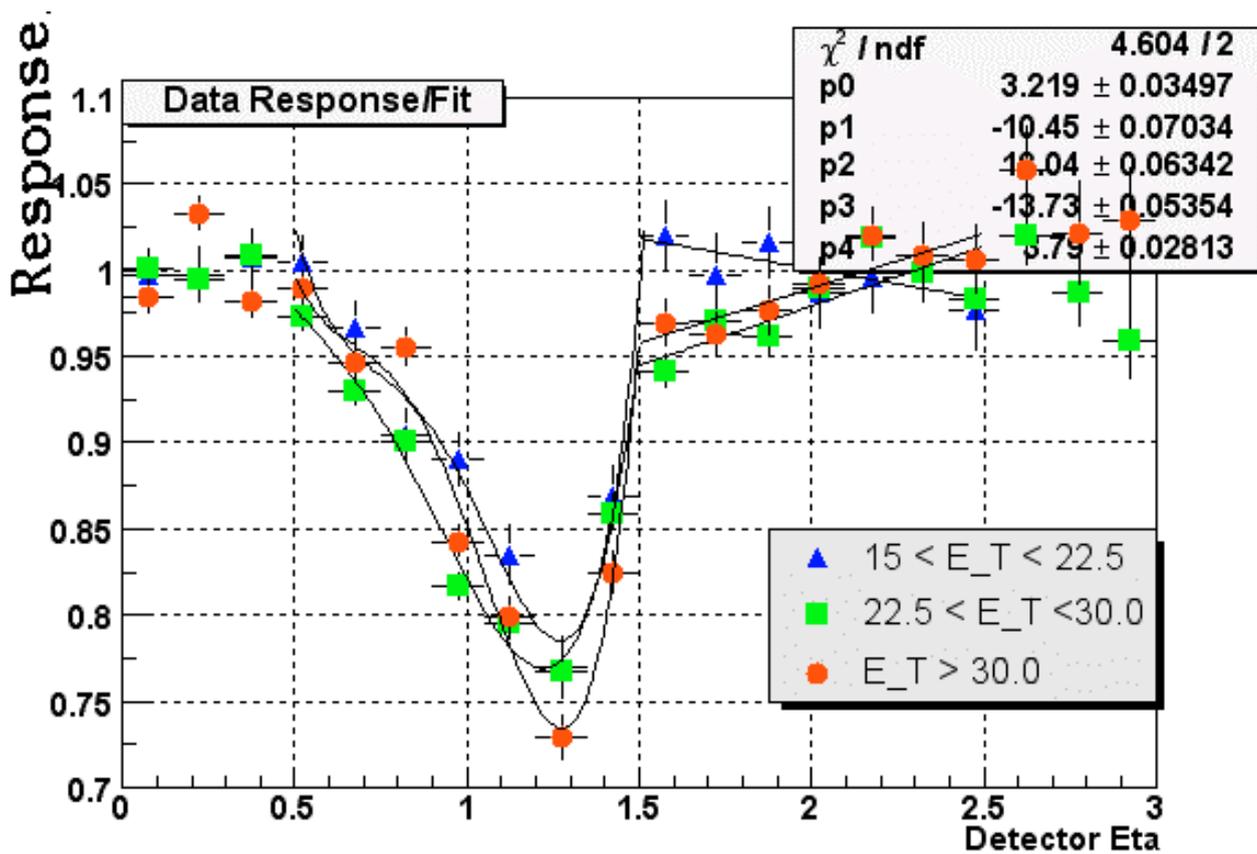
Uncorrected Data



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Offset Corrected Data



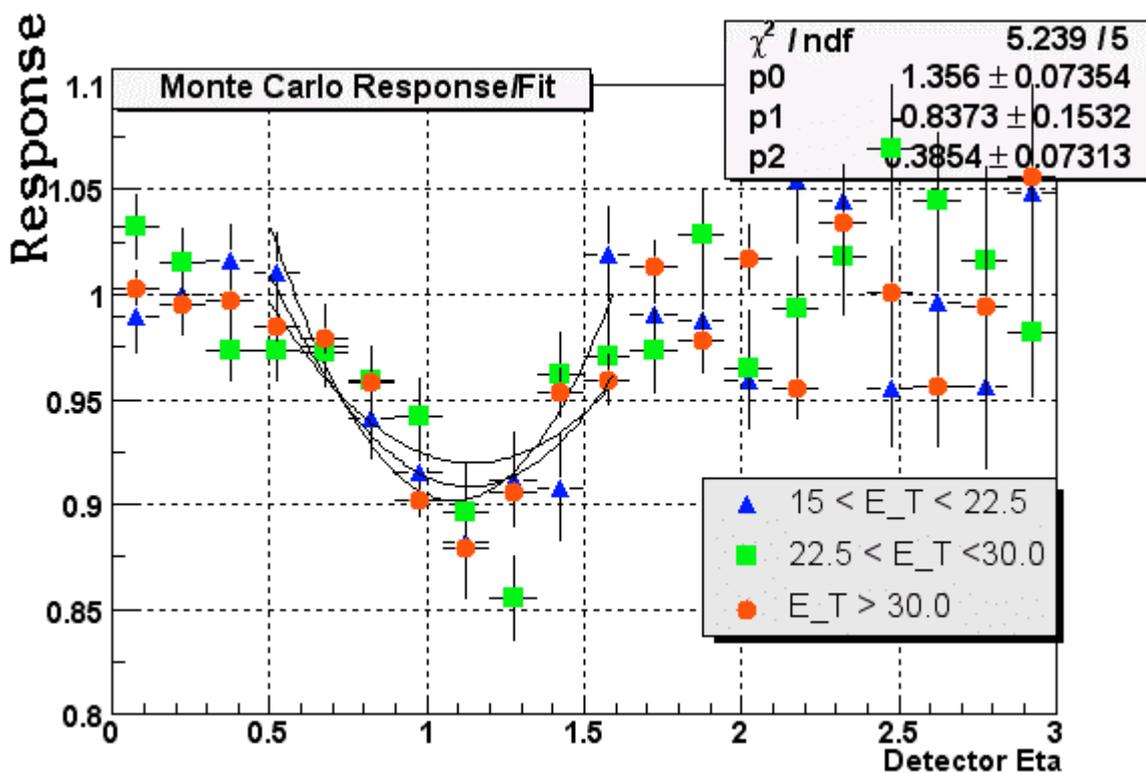
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Uncorrected MC

- Still Running but here it is with old cuts (no E threshold cuts, $n_{trks} \geq 3$)

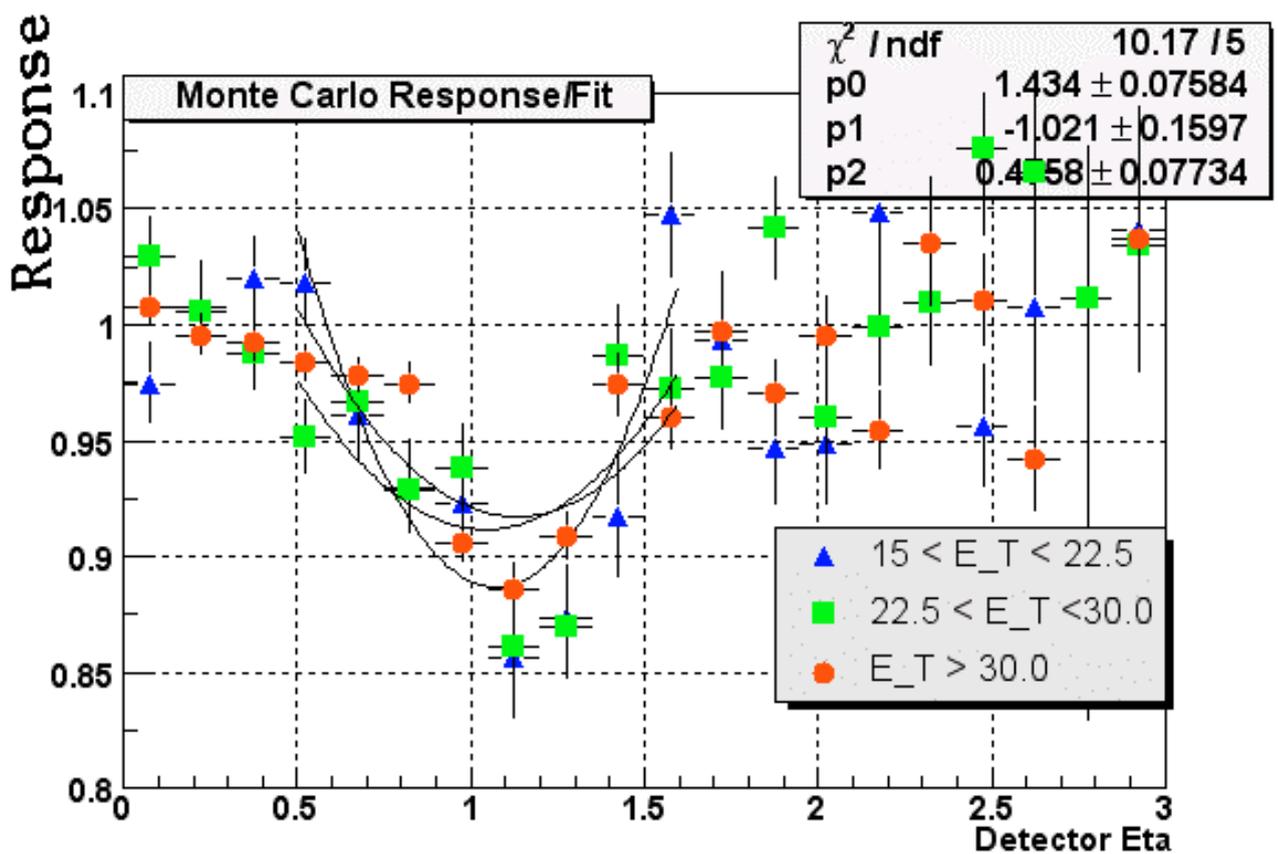


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Offset Corrected MC

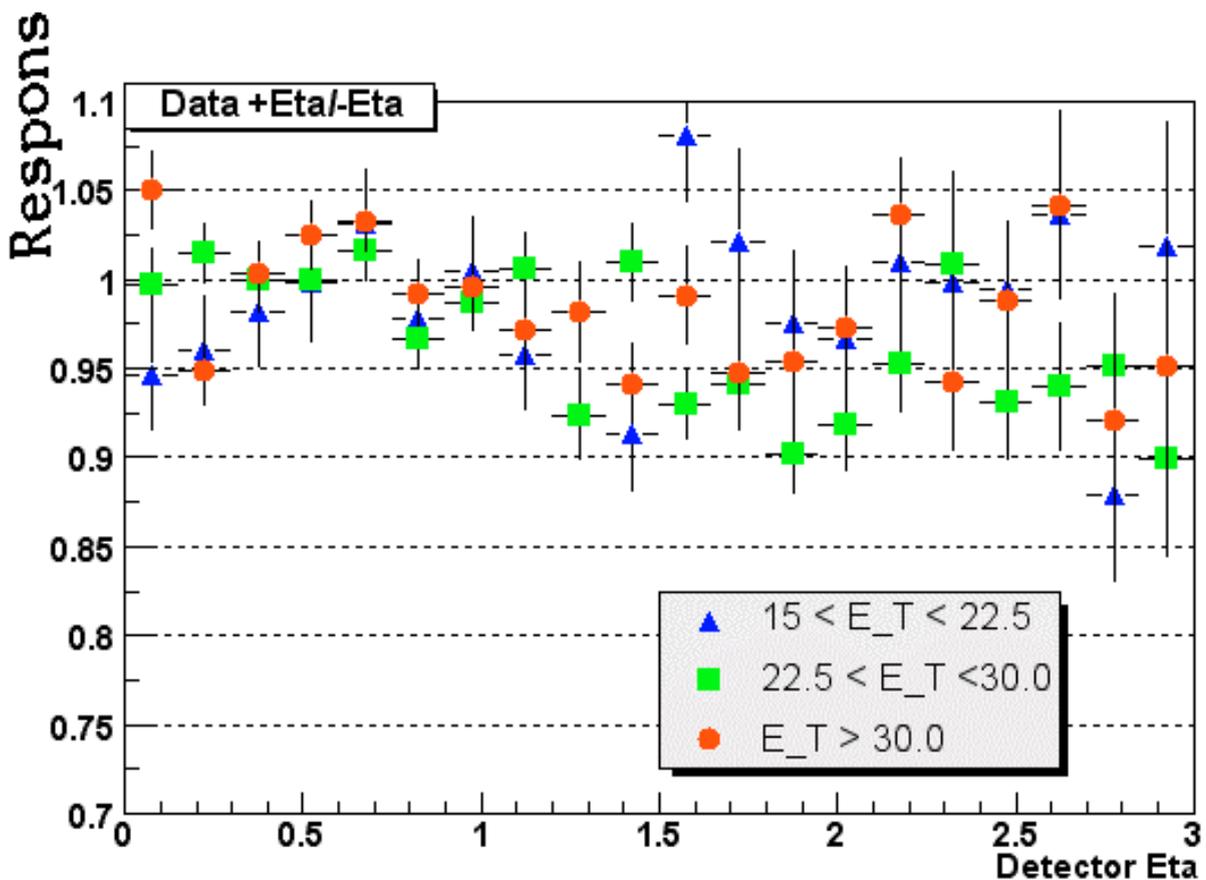


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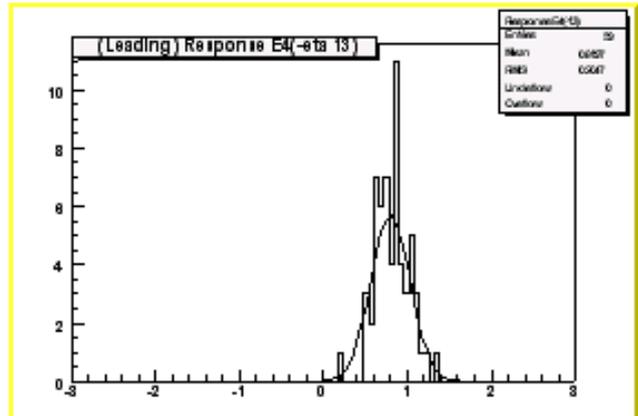
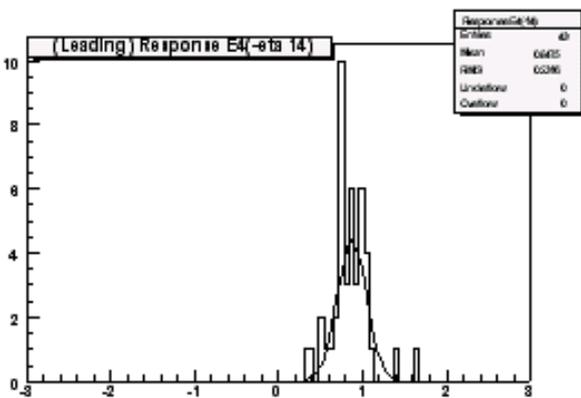
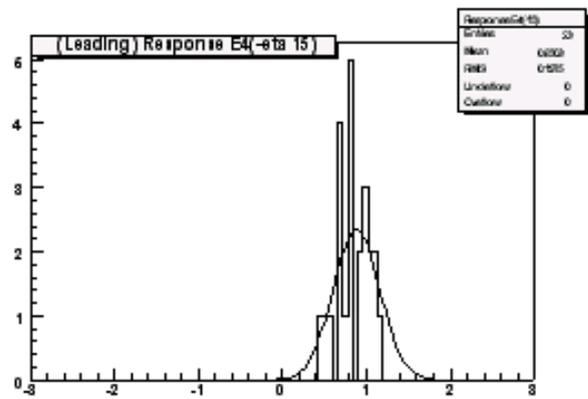
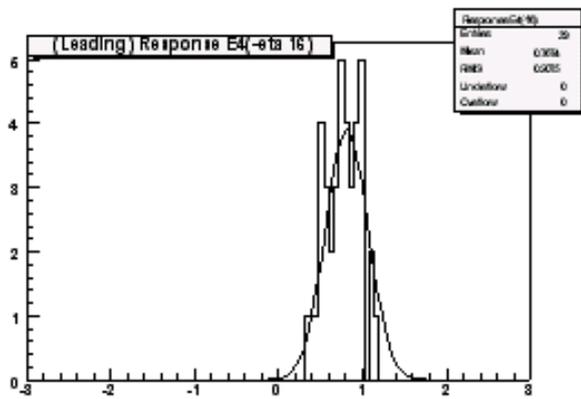
Offset Corrected Data: PMEta



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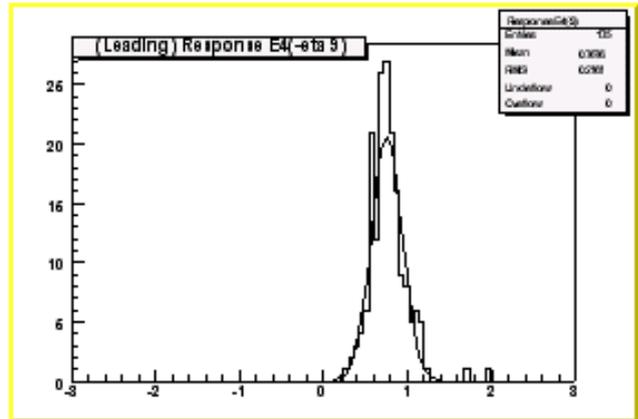
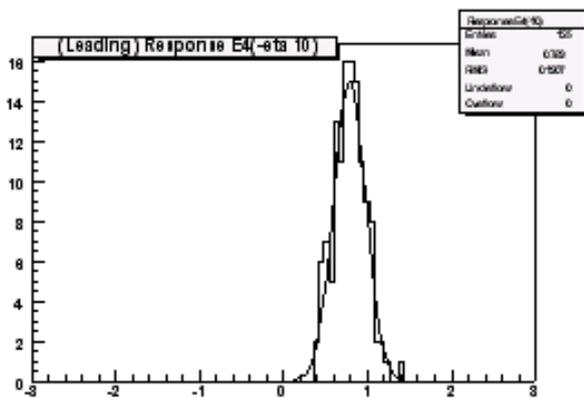
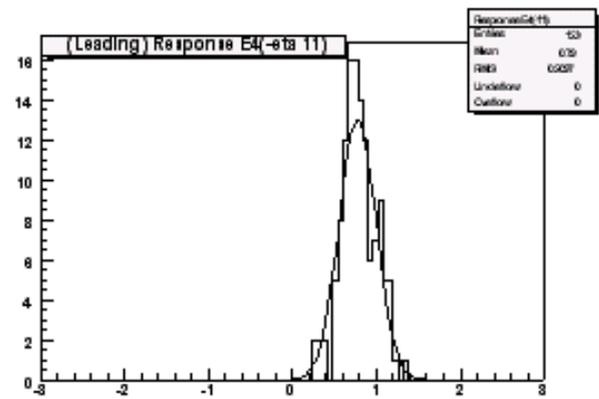
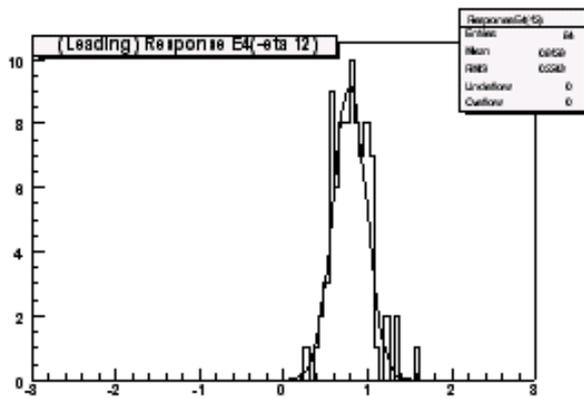
Data - Eta Fits



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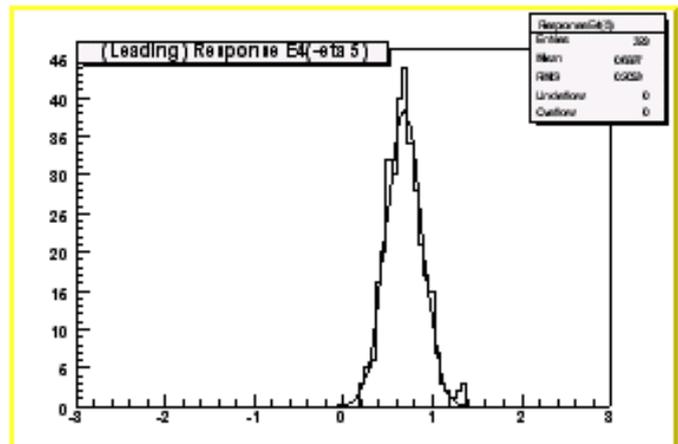
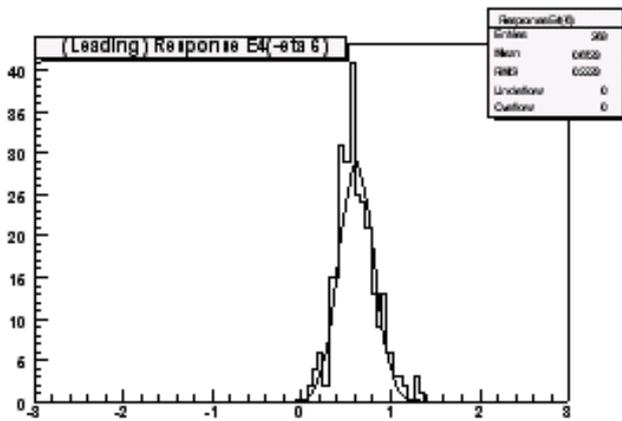
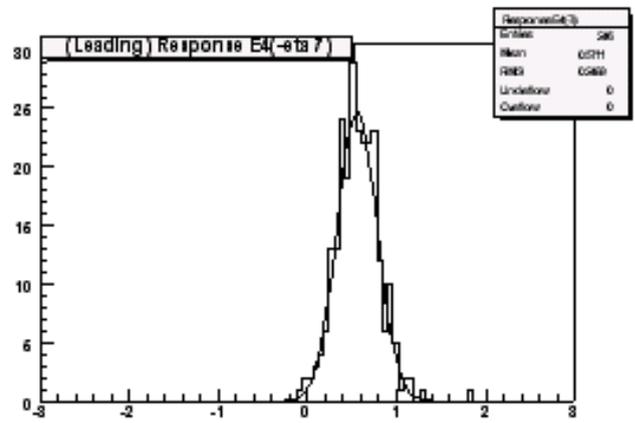
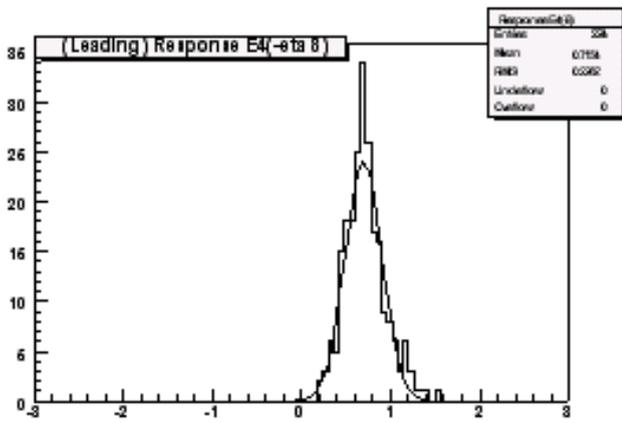
Data - Eta Fits



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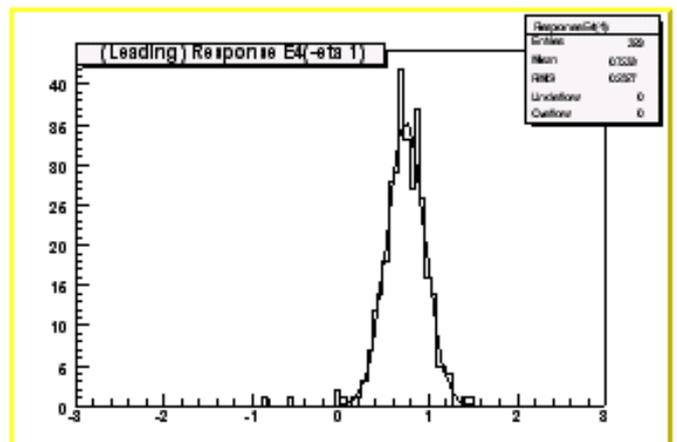
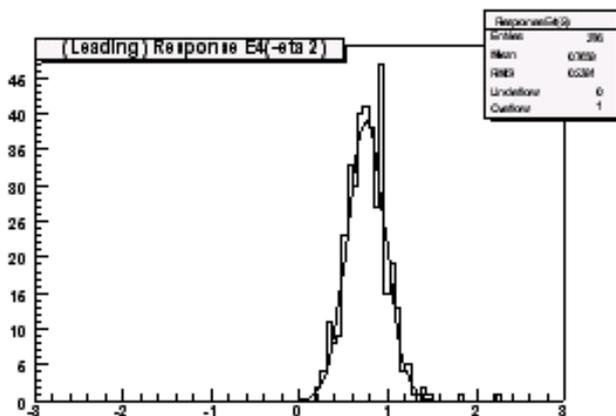
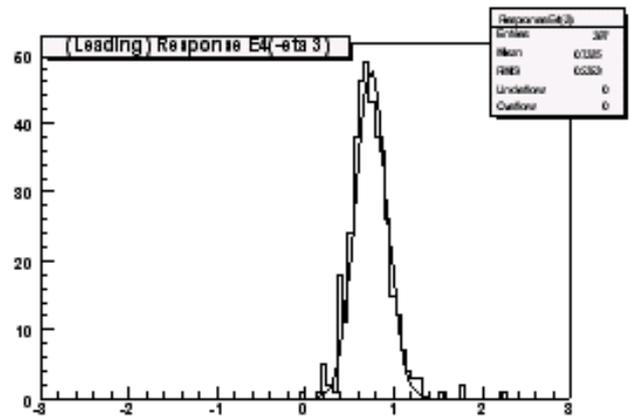
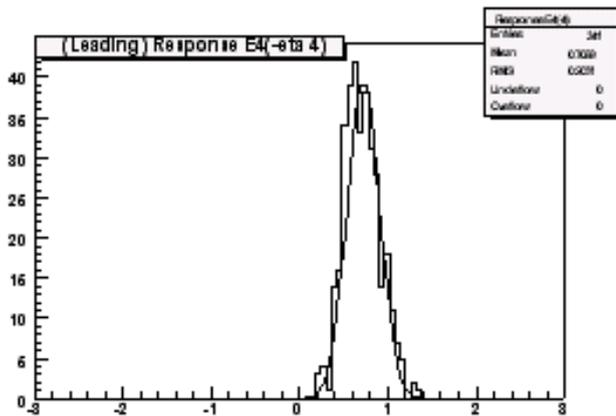
Data - Eta Fits



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Data - Eta Fits

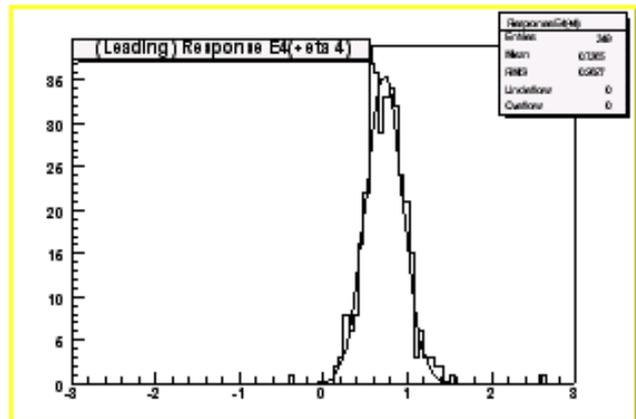
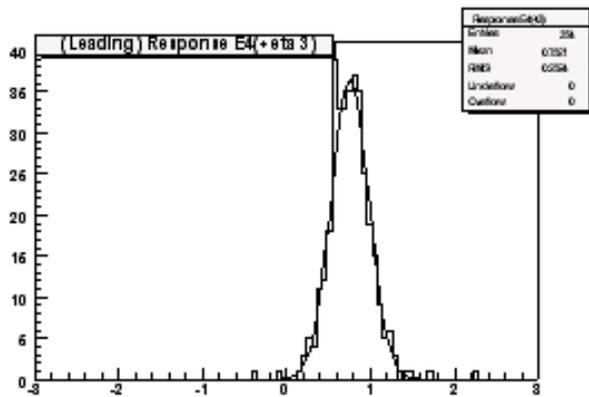
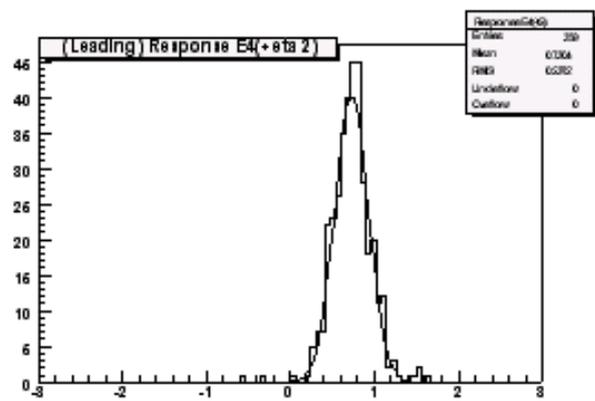
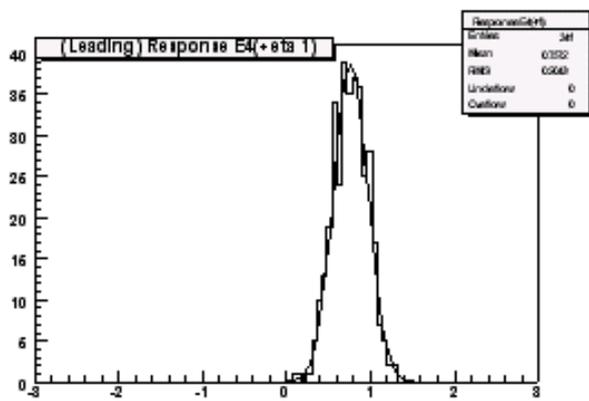


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Data - Eta Fits

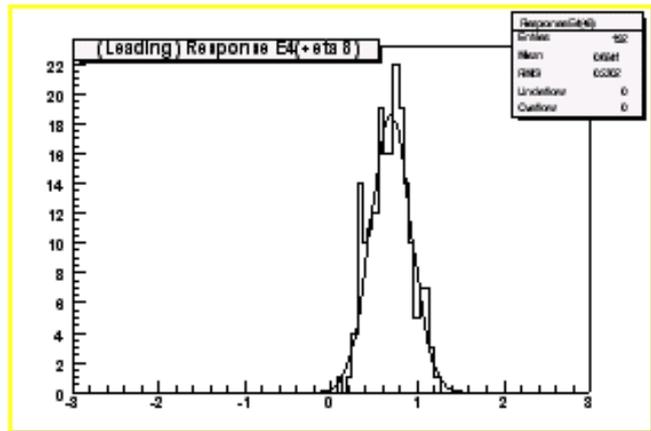
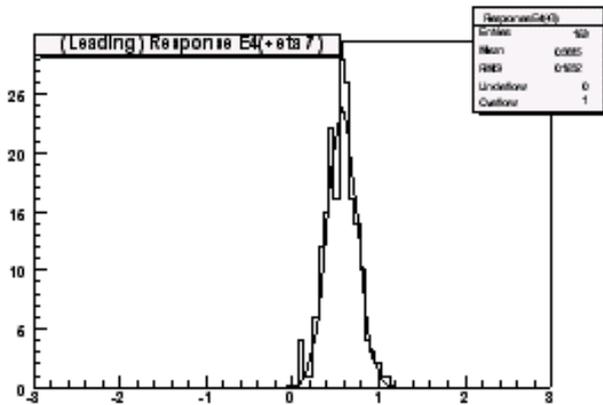
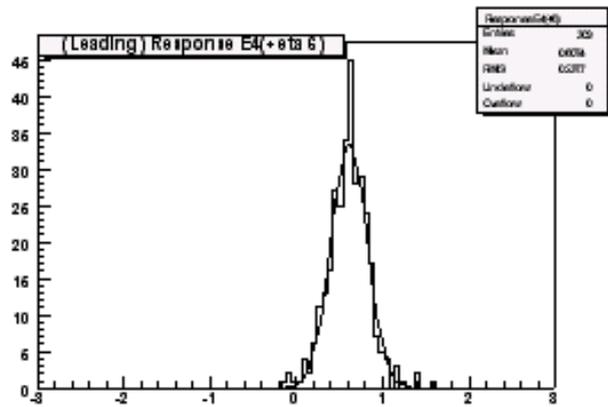
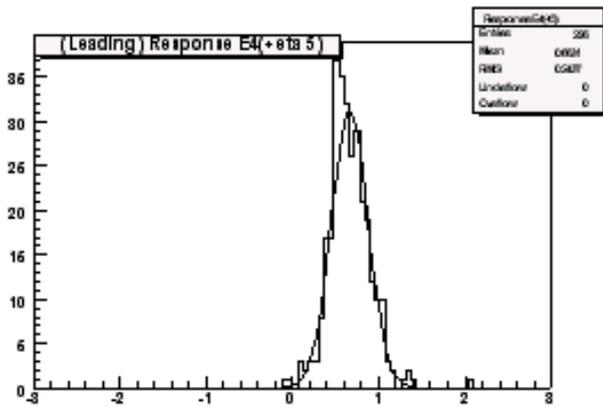


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Data - Eta Fits

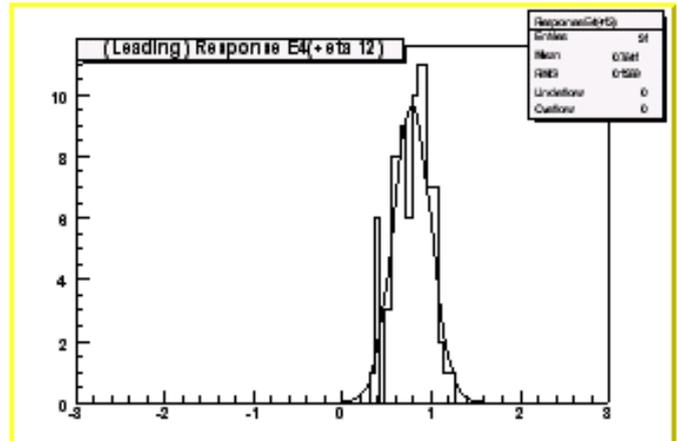
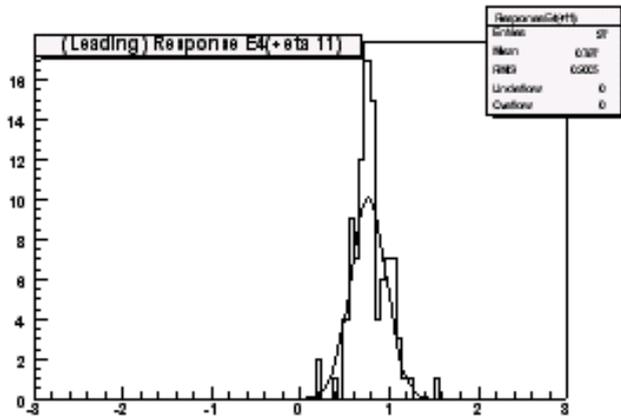
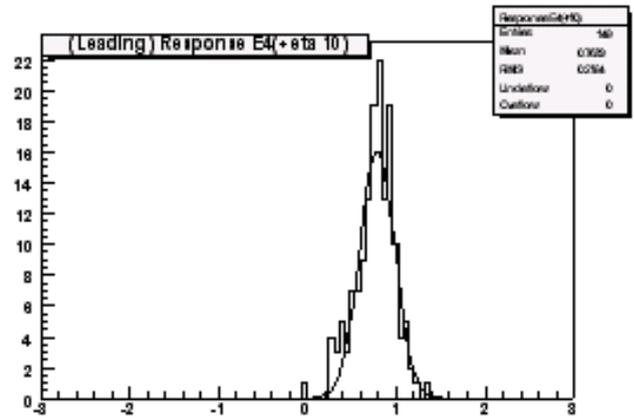
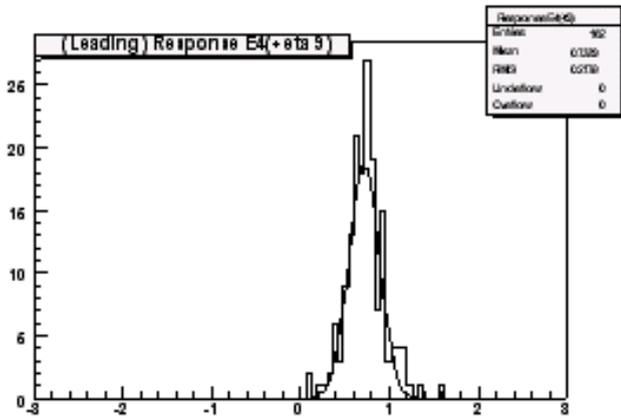


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Data - Eta Fits

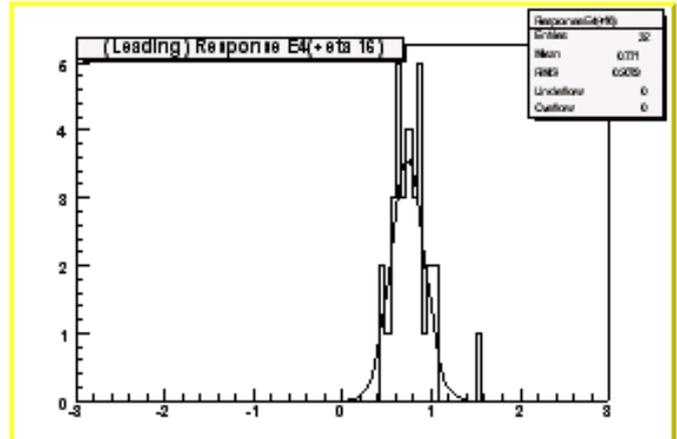
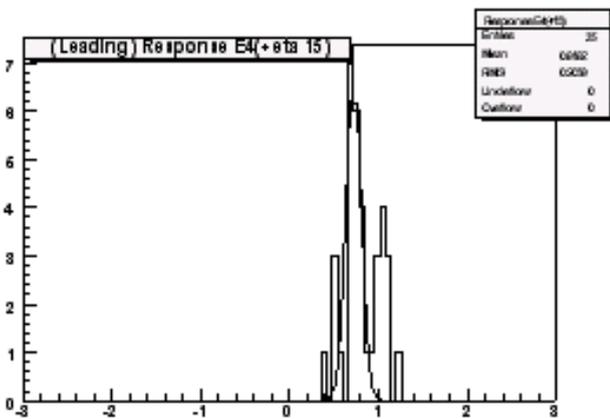
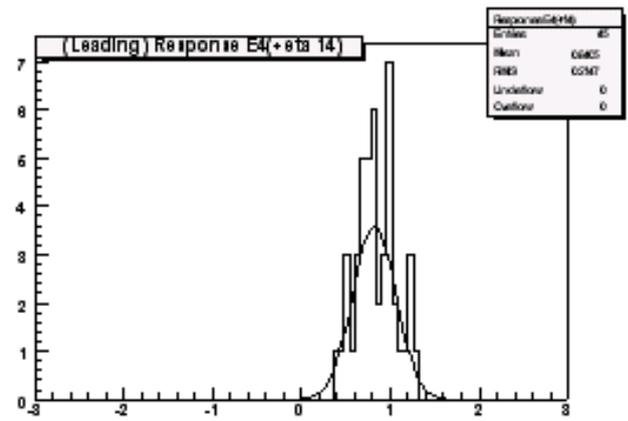
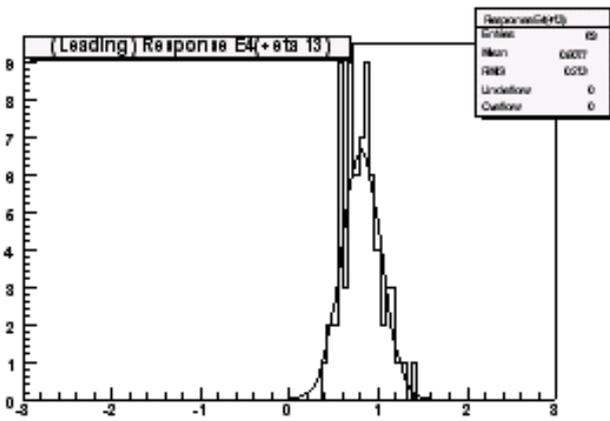


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Data - Eta Fits

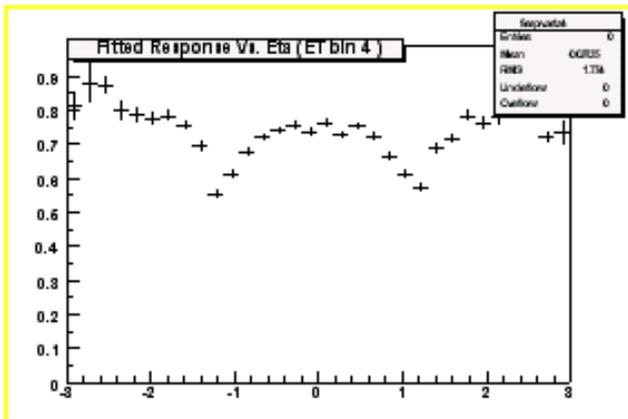
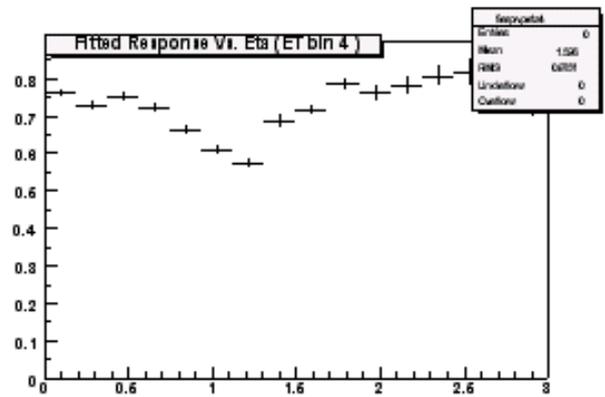
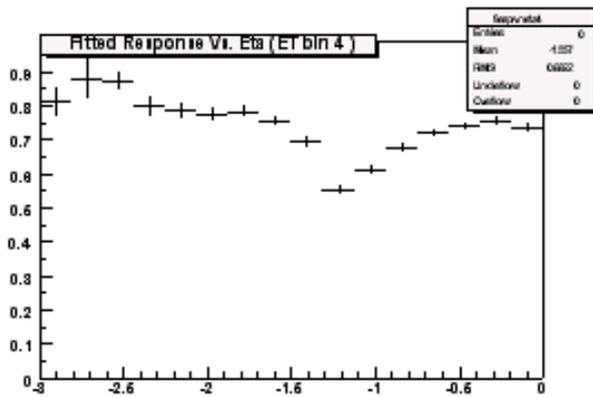


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Data - Eta Fits



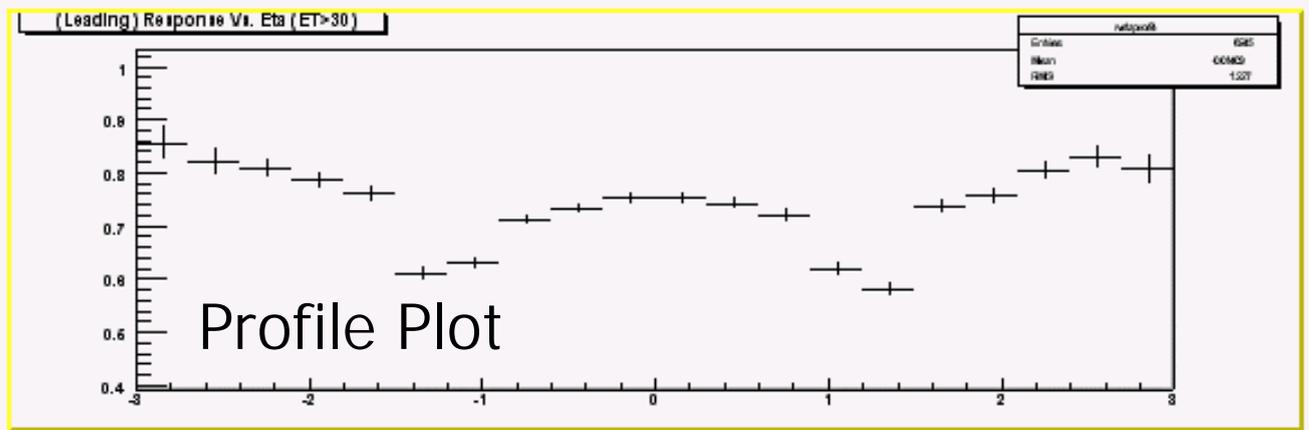
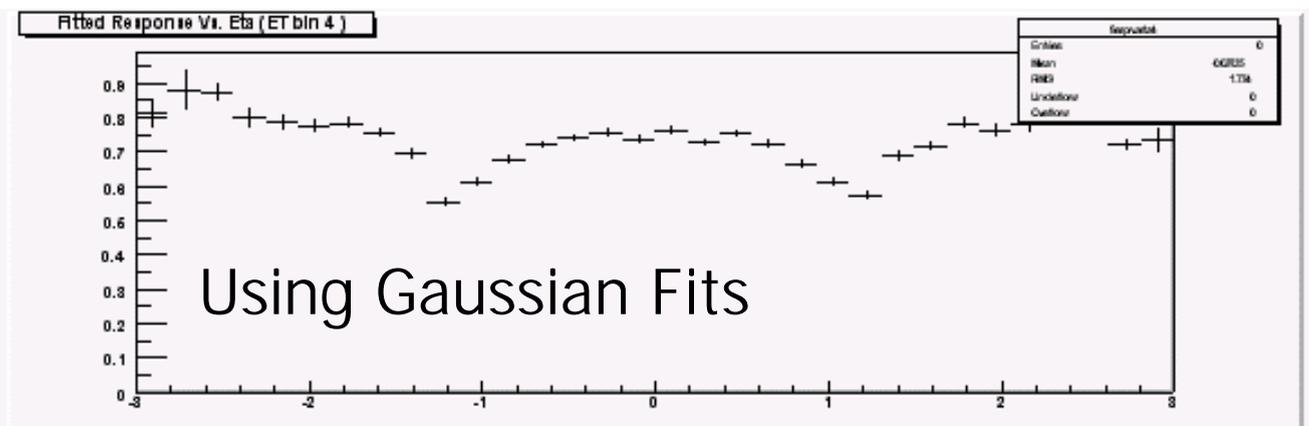
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Data - Eta Fits

- $E > 30$ GeV
- Full Eta range, no energy correction



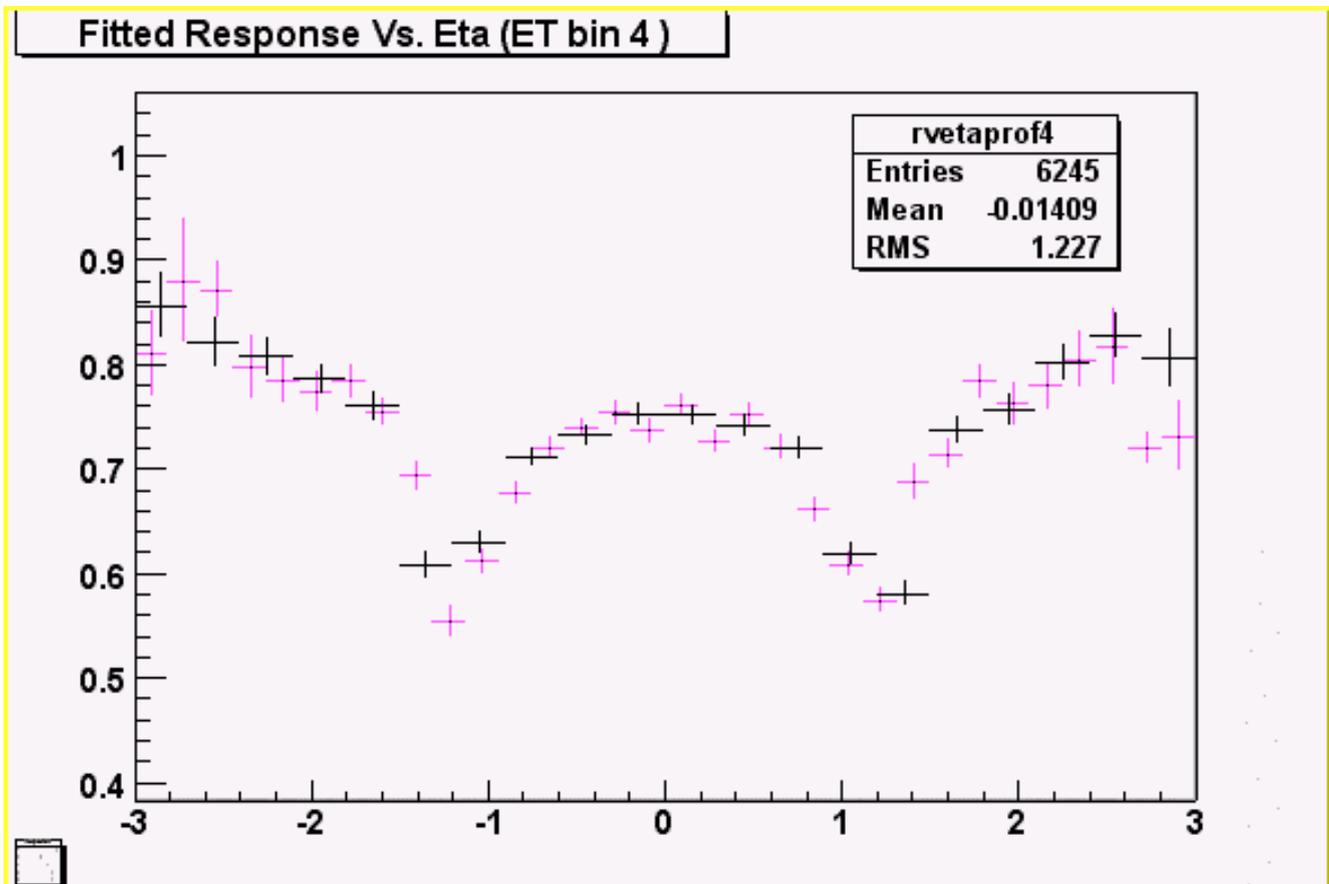
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Data - Eta Fits

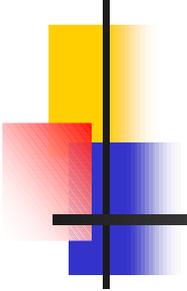
- pink: plot using gaussian fits to eta bins
- black: profile plot (uses mean of eta bins)



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Next steps

- **Would like to calculate eta dependence using gaussian fits and compare it to profile plot**
- **Still need cryo factor**
 - I assume +/- eta dependence is the same
- **Ratio of data/MC in eta region for corrected/uncorrected**